DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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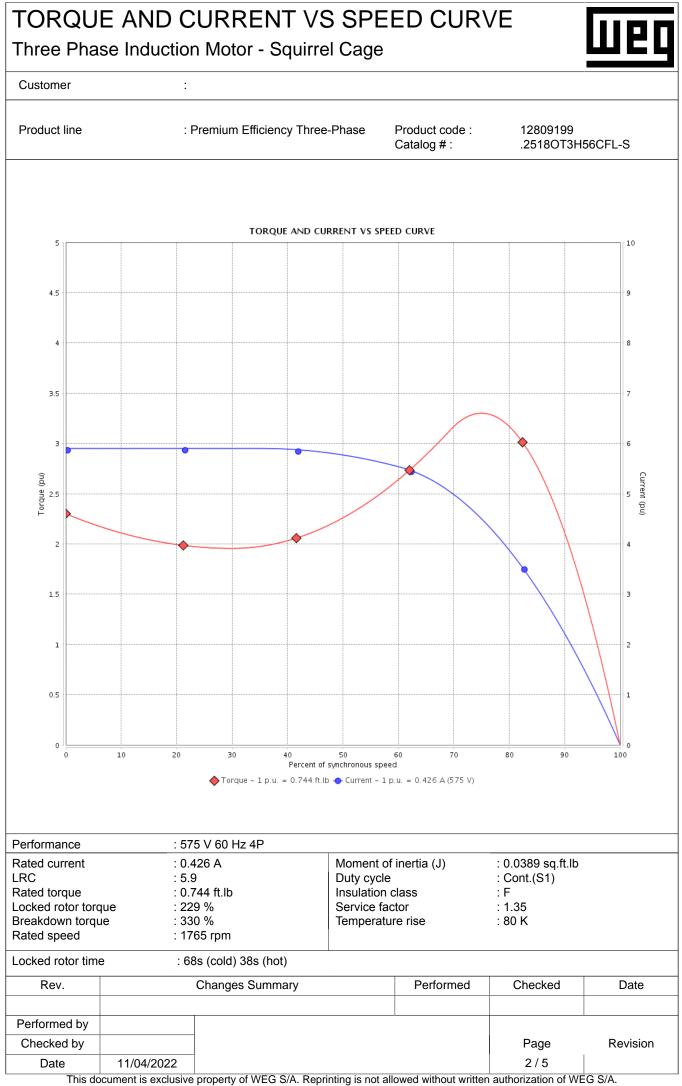
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Frame : 56C Output : 0.25 HP (0.18 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 675 V Rated voltage : 575 V Rated voltage : 50 K Poles : 4 LR. Amperes : 2.52 A LR C : 53x (Code M) No load current : 0.400 A Rated speed : 1765 rpm Sip : 1.94 % Rated vorque : 0.229 % Breakdown torque : 320 % Insulation class : F Service factor : 1.35 Moment of inertia (J) : 0.0389 sq.ft.lb Output : 250 % Power Factor 0.22 Sealing : Without Bearing Seal Lubrication interval : : (2) Measured 4 ti			: Premium	Efficiency Three-F	hase Product coor Catalog # :		2809199 25180T3H5	56CFL-S
Efficiency (%) 53.6 57.5 64.0 69.5 Power Factor 0.22 0.41 0.52 0.61 Max. compression : 32 lb Bearing type : 6203 ZZ 6202 ZZ Sealing : : 16 203 ZZ Lubrication interval : : - Lubricant amount : : - Lubricant type : Mobil Polyrex EM Notes Mobil Polyrex EM	Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torqu Breakdown torque Insulation class Service factor	9	: 0.25 HP (: 4 : 60 Hz : 575 V : 0.426 A : 2.52 A : 5.9x(Code : 0.400 A : 1765 rpm : 1.94 % : 0.744 ft.lk : 229 % : 330 % : F : 1.35	e M)	Temperature rise Duty cycle Ambient temperatu Altitude Cooling method Mounting Rotation ¹ Noise level ² Starting method	ıre	80 K Cont.(S1) -20°C to + 1000 m.a.: IC01 - OD F-1 Both (CW 52.0 dB(A Direct On	40°C s.l. P and CCW)
Efficiency (%) 53.6 57.5 64.0 69.5 Power Factor 0.22 0.41 0.52 0.61 Max. compression : 32 lb Bearing type : 6203 ZZ 6202 ZZ Sealing :: : 6203 ZZ 6202 ZZ Sealing :: : : : : Lubrication interval :: : : : : Lubricant amount :: : : : : : Lubricant amount :: :	Output	25% 5	0% 75	% 100%	Foundation loads			
Bearing type : 6203 ZZ 6202 ZZ Sealing : Without Bearing Seal Without Bearing Seal Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM Notes Mobil Polyrex EM	Efficiency (%)	53.6 5	7.5 64	.0 69.5				
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.	Sealing Lubrication interva Lubricant amount		With	nout Bearing Seal - -	Without B			
 (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load. 								
Rov I Changes Summary I Partermed I Chacked Date	must be eliminated (1) Looking the mo	d. otor from the s	shaft end.		power supply, subje			
Rev. Changes Summary Performed Checked Date	must be eliminated (1) Looking the mo (2) Measured at 1r (3) Approximate we manufacturing prod (4) At 100% of full	d. otor from the s n and with to eight subject cess.	shaft end. lerance of + to changes	3dB(A). after	power supply, subje	ct to the tolera	ances stipul	ated in NEMA
	must be eliminated (1) Looking the mo (2) Measured at 1r (3) Approximate we manufacturing prod	d. otor from the s n and with to eight subject cess.	shaft end. lerance of + to changes	3dB(A). after	power supply, subje	ct to the tolera		
Date 11/04/2022 1 / 5	must be eliminated (1) Looking the mo (2) Measured at 1r (3) Approximate we manufacturing prod (4) At 100% of full Rev. Performed by	d. otor from the s n and with to eight subject cess.	shaft end. lerance of + to changes	3dB(A). after	power supply, subje	ct to the tolera	ances stipul	ated in NEMA

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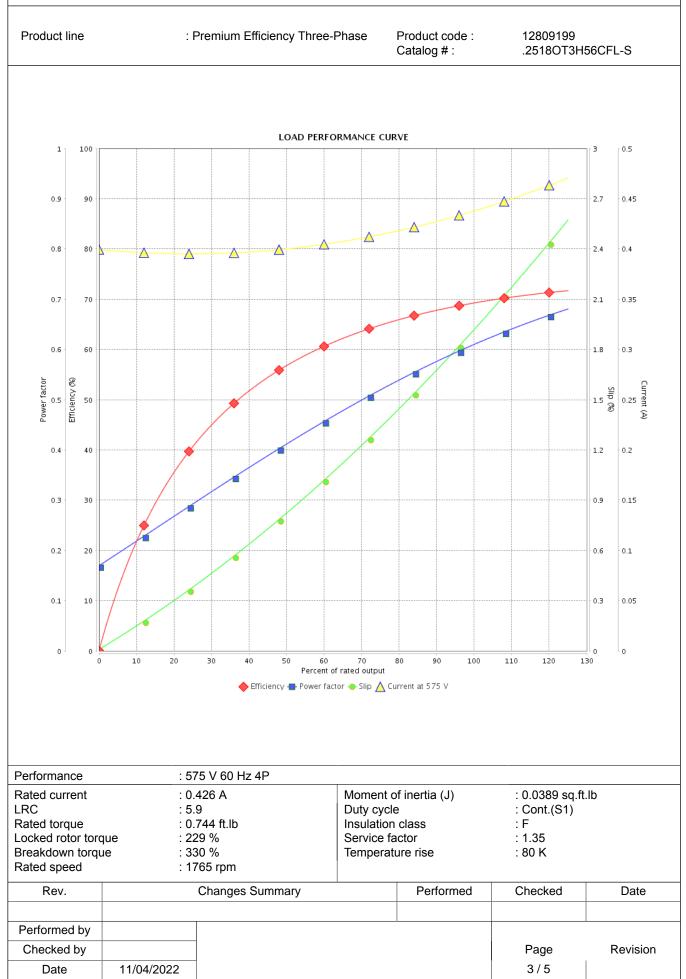


LOAD PERFORMANCE CURVE

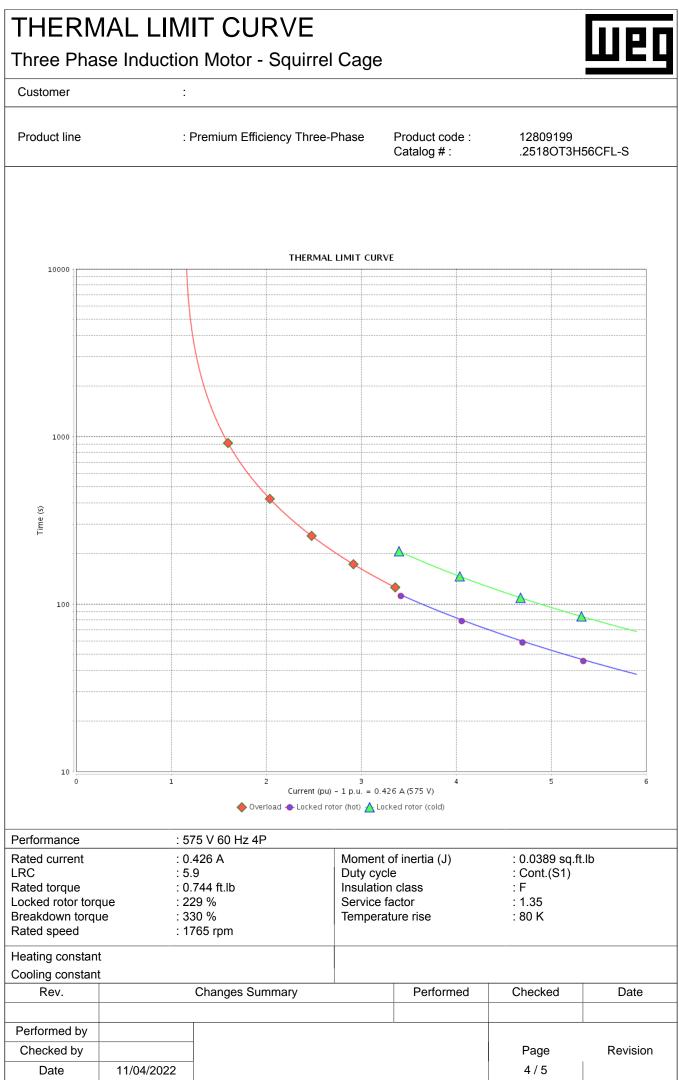
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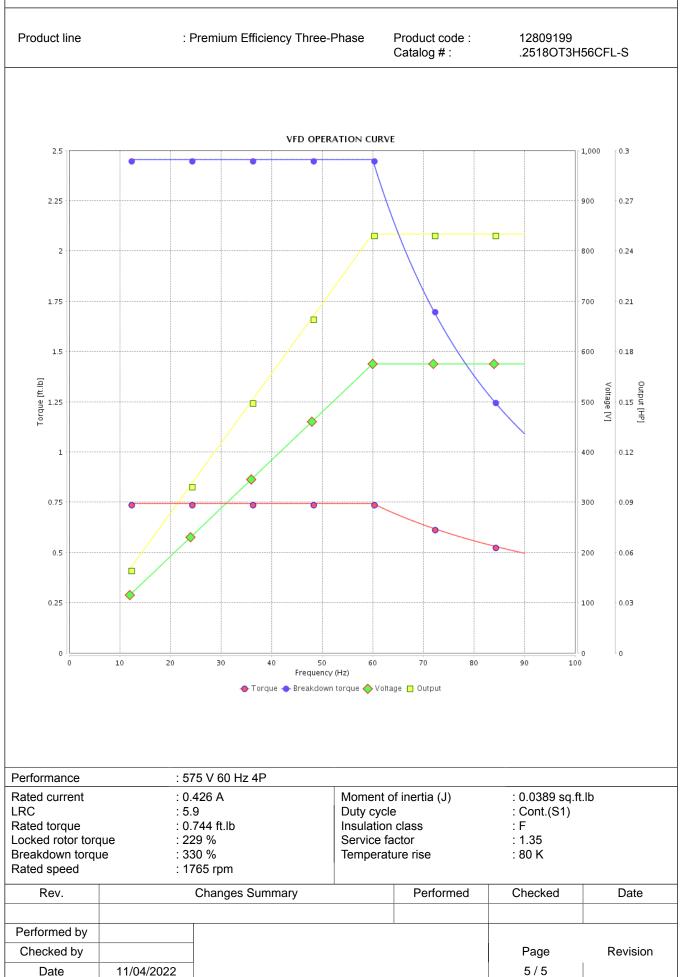
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VFD OPERATION CURVE

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